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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of 1

Complete if Known

Application Number	09/660,328
Filing Date	September 20, 2000
First Named Inventor	AVIVI et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	AVIVI=1A

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	RECEIVED MAR 29 2002 TECH CENTER 1600/2900
AM	AA	Amiel A., Korenstein A., Gaber E., Avivi L., "Asynchronous replication of alleles in genomes carrying an extra autosome", EUROPEAN JOURNAL OF HUMAN GENETICS 7, 223-230 (1999)	
	AB	Atkins L., Taft P., Kalal K., "Asynchronous DNA synthesis of sex chromatin in human interphase nuclei", J CELL BIOL, 15:390-393 (1962)	
	AC	Avivi L., Dotan A., Ravia Y., Amiel A., Schacham h., Neumann Y. "Increased spindle resistance to antimicrotubule agents in cells prone to chromosomal nondisjunction", HUMAN GENET, 83:165-170 (1989)	
	AD	Boggs, B., Chinault A., "Analysis of the replication timing properties of human X-chromosomal loci by fluorescence <i>in-situ</i> hybridization", PROC. NATL. ACAD. SCI. USA, 91:6083-6087 (1994)	
	AE	Boggs, B., Chinault A., "Analysis of DNA replication by fluorescence <i>in situ</i> hybridization", METHODS, 13:259-270 (1997)	
	AF	Chess A., "Expansion of the allelic exclusion principle?", SCIENCE 279:2067-2068 (1998)	
	AG	Chess A., Simon I., Cedar H., Axel R., "Allelic inactivation regulates olfactory receptor gene expression", CELL 78:823-834 (1994)	
	AH	Cui h., Horon I., Ohlsson R., Hamilton S., Feinberg A., "Loss of imprinting in normal tissue of colorectal cancer patients with microsatellite instability", NAT MED 4:1276-1280 (1998)	
	AI	Dhar V., Magar D., Iqbal A., Schildraut C., "The coordinate replication of the human β -globin gene domain reflects its transcriptional activity and nuclease hypersensitivity", MOL CELL BIOL 8:4958-4965 (1988)	
	AJ	Dhar V., Skoultschi A., Schildraut C., "Activation and repression of a β -globin gene in cell hybrids is accompanied by a shift in its temporal replication", MOL CEL BIOL 9:3524-3532 (1989)	
	AK	Dotan Z., Dotan A., Imanovitch T., Ravia Y., Oniashvili N., Leibovitch I., Ramon J., Avivi L., "Allele-specific mode of replication in-periphera lymphocytes of rena cell carcinoma patients: A new aspect of genomic instability", Annual Meeting at the American Urological Association, May 1999, Dallas, Texas.	
	AL	Dotan Z., Dotan A., Imanovitch T., Ravia Y., Oniashvili N., Leibovitch I., Ramon J., Avivi L., "Allele-specific mode of replication in periphera lymphocytes of rena cell carcinoma patients: A new aspect of genomic instability- a possible clinical use - part II", Annual Meeting at the American Urological Association, Eilat, Israel, Nov. 1998	
AM	AM	Epner E., Forrester W., Groudine M., "Asynchronous DNA replication within the human β -globin gene", PROC NATL ACAD SCI USA, 85:8081-8085 (1988)	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

AN	Feinberg A., "Genomic imprinting and cancer", THE GENETIC BASIS OF HUMAN CANCER, Vogelstein B., Kinzler L., eds., McGraw-hill, New York pp. 95-107 (1998)	
AO	Goldman, M., holmquist G., Gray M., caston L., Nag A., "Replication timing of genes and middle repetitive sequences", SCIENCE 224:686-692 (1984)	
AP	Grumbach M., Morishima A., Taylor J., "Human sex chromosome abnormalities in relation to DNA replication and heterochromatinization.", "ROC NATL ACAD SCI USA, 49:581-589 (1963)	
AQ	Gunaratne, P., Nakao M., Ledbetter D., Sutcliffe J., Chinault A., "Tissue-specific and allele-specific replication timing control in the imprinted human Prader-Willi syndrome region", GENES & DEV 9:808-820 (1995)	
AR	Hatton K., Dhar V., Brown E., Iqbal M., Stuart S., Didamo V., Schickraut C., "Replication program of active and inactive multigene families in mammalian cells", MOL CELL BIOL, 8:2149-2158 (1988)	
AS	Hollander G., Zuklys S., Morel C., Mizoguchi E., Mobisson K., Simpson S., Terhorst C., Wishart W., Golan Dhan A., burakoff S., "Monoclonal expression of the interleukin-2 locu", SCIENCE 279:2118-2121 (1998)	
AT	Holmquist G., "Role of replication time in the control of tissue specific gene expression" AM J HUM GENET 40:151-173 (1987)	
AU	Jackson A., Loeb L., "The mutation rate and cancer" GENETICS 148:1483-1490 (1998)	
AV	Kinzler K., Vogelstein B., "Colorectal tumors. THE METABOLIC AND MOLECULAR BASES OF AT INHERITED DISEASE, 7th ed. Vol. 1, Scriver C., Beaudet A., Sly W., Valle D., eds., McGraw-Hill, New York, pp. 643-663 (1995)	
AW	Kitsberg D., Selig S., Brandeis M., Simon I., Keshet I., Driscoll D., Nicholls R., Cedar H., "Allele-specific replication timing of imprinted gene regions," NATURE 364:459-463 (1993).	
AX	Knoll J., Cheng S., Lalande M., "Allele specificity of DNA replication timing in the Angelman/Prader-Willi syndrome imprinted chromosomal region," NAT GENET 6:41-46 (1994).	
AY	Knudson A., "Antioncogenes and human cancer," PROC NATL ACAD SCI USA 90:10914-10921 (1993).	
AZ	LaSalle J., Lalande M., "Domain organization of allele-specific replication within the GABRB3 gene cluster requires a biparental 15q1 1-13 contribution," NAT GENET 9:386-394 (1995).	
BA	Levanon D., Negreanu V., Bernstein Y., Bar-Am I., Avivi L., Groner Y., "AML1, AML2, and AML3, the human members of the runt domain gene-family: cDNA structure, expression, and chromosomal localization," GENOMICS 23:425-432 (1994).	
BB	Latt et al., "Patterns of late replication in X chromosomes of human Lymphoid cells," GENET CYTOGENET 3:171-181 (1981).	
BC	Levine, A., "p53, the cellular gatekeeper for growth and division," CELL 88:323-331 (1981).	
BD	Lima de Faria A., Jaworska H., "Late DNA synthesis in heterochromatin," NATURE 217:13 8-142 (1968).	

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BE	Linehan W., Lerman M., Zbar B., "Identification of the VHL gene: its role in renal cancer," JAMA. Vol. 273, No. 7, pp. 564-570 (1995).
BF	Litmanovitch T., Altaras M., Dotan A., Avivi L., "Asynchronous replication of homologous α -satellite DNA loci in man is associated with non-disjunction," CYTOGENET CELL GENET 81:26-35 (1998).
BG	Loeb L., "Mutator phenotype may be required for multistage carcinogenesis," CANCER RES 51:3075-3079 (1991).
BH	Look T., "Genes altered by chromosomal translocations in leukemia and lymphomas," THE GENETIC AT BASIS OF HUMAN CANCER, Vogelstein B., Kinder K., eds., McGraw-Hill, New York, pp. 109-141 (1998).
BI	Miller O., Schnedl W., Allen J., Erlanger B., "5-Methylcytosine localized in mammalian constitutive heterochromatin," NATURE 251:636-637 (1974).
BJ	Miller O., "Is the centromeric heterochromatin of <i>Mus musculus</i> late replicating?," CHROMOSOMA 55: 165-170 (1976).
BK	Mukherjee A., Murty V., Chaganti R., "Detection of cell-cycle stage by fluorescence in situ hybridization: its application in human interphase cytogenetics," CYTOGENET CELL GENET 68:91-94 (1992).
BL	Ohlsson R., Tycko B., Sapienza C., "Monoallelic expression: there can only be one," TIG Vol. 14, No. 11, pp. 435-438 (1967).
BM	Priest J., Heady J., Priest R., "Delayed onset of replication of human X chromosomes," J CELL BIOL, 35:483-487 (1967).
BN	Randhawa G., Cui H., Barletta J., Strichman-Almashanu L., Talpaz M., Kantaliian H., Deisseroth A., Champlin R., Feinberg A., "Loss of imprinting in disease progression in chronic myelogenous leukemia," BLOOD Vol. 91, No. 9, pp. 3144-3147 (1998).
BO	Selig S., Ariel M., Goitein R., Marcus M., Cedar H., "Regulation of mouse satellite DNA replication time," EMBO J Vol. 7, no. 2, pp. 419-426 (1988).
BP	Selig S., Okumura K., Ward D., Cedar H., "Delineation of DNA replication time zones by fluorescence <i>in situ</i> hybridization," EMBO J Vol. 11. no. 3, pp. 1217-1225 (1992).
BQ	Smrzka O., Fae I., Stoger R., Kurzbaue R., Fischer G., Henn T., Weith A., Barlow D., "Conservation of maternal-specific methylation signal at the human IGF2R locus," HUM MOL GENET, Vol. 4, No. 10, pp. 1945-1952 (1995).
BR	Taylor J., "Asynchronous duplication of chromosomes in cultured cells of Chinese hamster," J BIOPHYS BIOCHEM CYTOL, 7:455-464 (1960).
BS	Ten Hagen K., Gilbert D., Willard H., Cohen S., "Replication timing of DNA sequences associated with human centromeres and telomeres," MOL CELL BIOL 10:6348-6355 (1990).
BT	Torchia B., Call L., Migeon B., "DNA replication analysis of FMRI, XIST, and factor 8C loci by FISH shows nontranscribed X-linked genes replicate late.," AM J HUM GENET 55:96-104 (1994).
BU	White, L., Rogan P., Nicholls R., Wu B., Korf B., Knoll J., "Allele-specific replication of 15q11-q13 loci: a diagnostic test for detection of uniparental disomy," AM J HUM GENET 59:423-430 (1996).

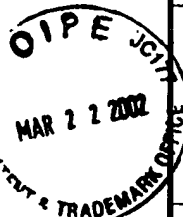
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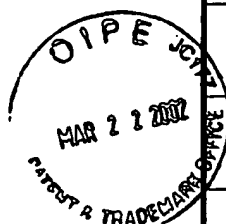


<input checked="" type="checkbox"/>	BV	Willard H., Lad S., "Analysis of deoxyribonucleic acid replication in human X chromosomes by fluorescence microscopy," AM J HUM GENET 28:213-227 (1976).	
<input type="checkbox"/>	BW	Yeshaya J., Shalgi R., Shohat M., Avivi L., "FISH-detected delay in replication timing of mutated FMRI AT alleles on both active and inactive X-chromosomes," HUM GENET (in press) (1999).	
<input type="checkbox"/>	BX	Dotan et al., "Numerical chromosome aberrations in non-malignant cells derived from children suffering from different neoplasias", AMERICAN JOURNAL OF HUMAN GENETICS, 49(4)1312 (1991)	
<input type="checkbox"/>	BY	Bar-am et al., "Numerical chromosome aberrations in non-malignant lymphocytes derived from patients suffering from different types of neoplasia", JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY, 116(Suppl., Part I):S 1-772 (1990)	
<input type="checkbox"/>	BZ	Bar-Am et al., "Increased level of aneuploidy in peripheral blood lymphocytes derived from patients with prostate cancer", UROLOGICAL RESEARCH, 21(6)P61 (1993)	
<input type="checkbox"/>	CA	Mukamel et al., "The effect of bilateral orchiectomy on the behavior of PHA-stimulated lymphocytes in patients with prostatic cancer", THE JOURNAL OF UROLOGY, 516A (1989)	
<input type="checkbox"/>	CB	Amiel et al., "Asynchronous replication of p53 and 21q22 loci in chronic lymphocytic leukemia", HUM GENET, 101:219-222 (1997)	
<input type="checkbox"/>	CC	Amiel et al., "Replication pattern of the p53 and 21q22 loci in the premalignant and malignant stages of carcinoma of the cervix", AMERICAN CANCER SOCIETY, 1965-1971 (1998)	
<input type="checkbox"/>	CD	Amiel et al., "Temporal differences in replication timing of homologous loci in malignant cells derived from CML and lymphoma patients", GENES, CHROMOSOMES & CANCER 22:225-231 (1998)	
<input type="checkbox"/>	CE	Dotan et al., "Modification in the inherent mode of allelic replication in lymphocytes of patients suffering from renal cell carcinoma: A novel genetic alteration associated with malignancy", GENES, CHROMOSOMES & CANCER, 27:270-277 (2000)	
<input type="checkbox"/>	CF	Amiel et al., "Replication status as a marker for predisposition for lymphoma in patients with chronic hepatitis C with and without cryoglobulinemia", EXPERIMENTAL HEMATOLOGY, 1-5 (2000)	
<input type="checkbox"/>	CG	Tockman et al., "Considerations in bringing a cancer biomarker to clinical application", CANCER RESEARCH (SUPPL.) 52:2711s-2718s (1992)	
<input checked="" type="checkbox"/>	CH	Amiel et al., "Asynchronous replication of allelic loci in Down Syndrome", EUROPEAN JOURNAL OF HUMAN GENETICS, 6:359-364 (1998)	
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Examiner Signature	<i>[Signature]</i> HORLICK	Date Considered	2/4/04
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